

Name: \_\_\_\_\_ Class: X-\_\_\_ School: Azamgarh Public School

## Unit 2: HTML

1. Write an HTML program (first webpage) for the following image output:

```
<html>
<head>
  <title>start</title>
</head>
<body>
  hello world!
  <br>
  this is my first webpage.
</body>
</html>
```

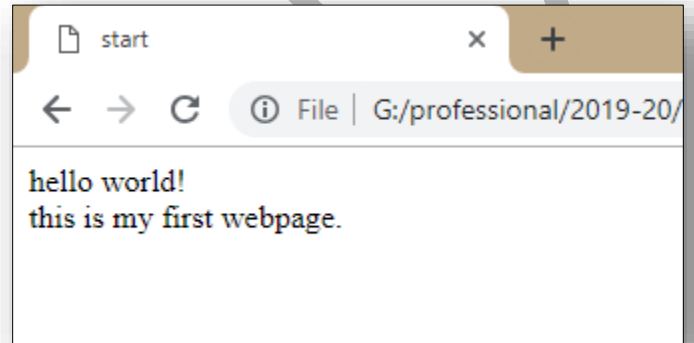


Fig. Output for Question 1

2. Write an HTML program (body tag & attributes) for the following image output:



Scan this QR code to follow on YouTube

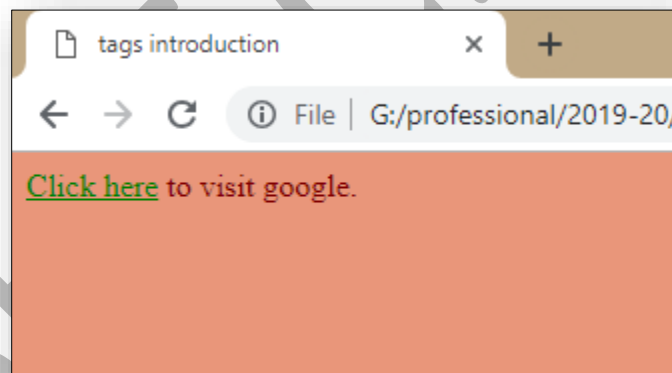


Fig. Output for Question 2

```
<html>
<head>
  <title>tags introduction</title>
</head>
```

```
<body text="maroon" bgcolor="darksalmon" link="blue" alink="white" vlink="green"> <!--comment:
change background="2.jpg" bgcolor="#e8c2fc"-->
```

```
<a href="https://www.google.com" target="_blank">Click here</a> to visit google.
</body>
</html>
```

3. Write an HTML program (headings) for the image output:

```
<html>
  <head>
    <title>tags for heading,br,hr</title>
  </head>
  <body>
    text yahoo
    <hr>
    <!--headings -->
    <h6>heading yahoo </h6> <!--smallest -->
    <br> <hr>
    <h5>heading yahoo </h5>
    <br> <hr>
    <h4>heading yahoo </h4>
    <br> <hr>
    <h3>heading yahoo </h3>
    <br> <hr>
    <h2>heading yahoo </h2>
    <br> <hr>
    <h1>heading yahoo </h1> <!--largest -->
  </body>
</html>
```

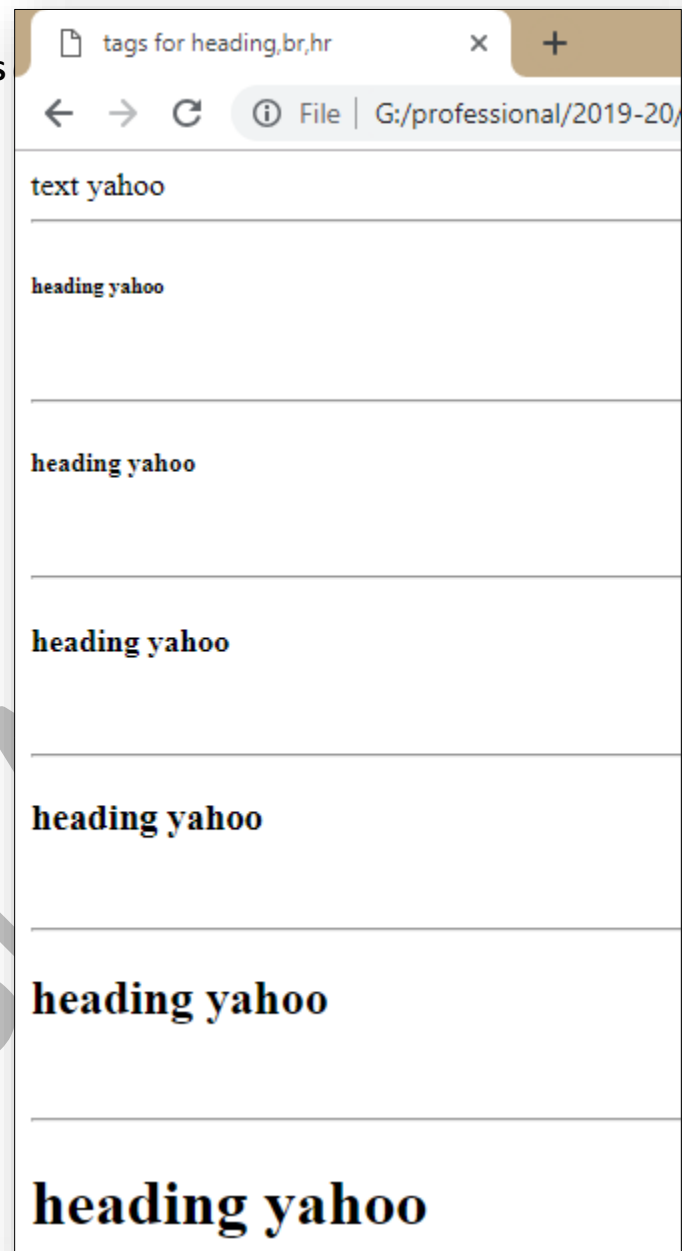


Fig. Output for Question 3

4. Draw output for an HTML program (paragraph tag; p tag & attributes) written below:

```
<html>
  <head>
    <title>tag for p</title>
  </head>
  <body>
    Lorem ipsum dolor sit amet, consectetur adipisicing elit. Commodi aspernatur atque magnam, incidunt
    minima est hic nam earum quasi END!
    <br>
    Lorem ipsum dolor sit amet, consectetur adipisicing elit. Fugiat dolore consequatur in ipsum pariatur quia
    eius, obcaecati est, officia END!
    <p align="right">
      Lorem ipsum dolor sit amet, consectetur adipisicing elit. Fugiat dolore consequatur in ipsum pariatur
      quia eius, obcaecati est, officia END!
```

```
</p>
```

```
<p align="justify">
```

```
    Lorem ipsum dolor sit amet, consectetur adipisicing elit. Fugiat dolore consequatur in ipsum pariatur  
quia eius, obcaecati est, officia END!
```

```
</p>
```

```
</body>
```

```
</html>
```

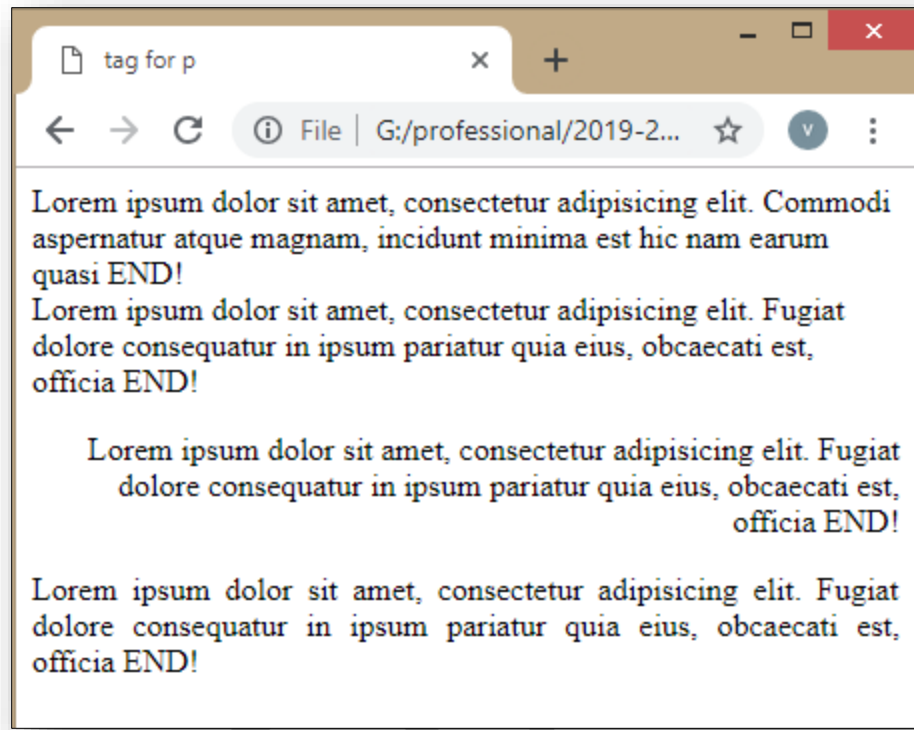


Fig. Output for Question 5

5. Write an HTML program (unordered list; ul tag & attributes) for the following image output:

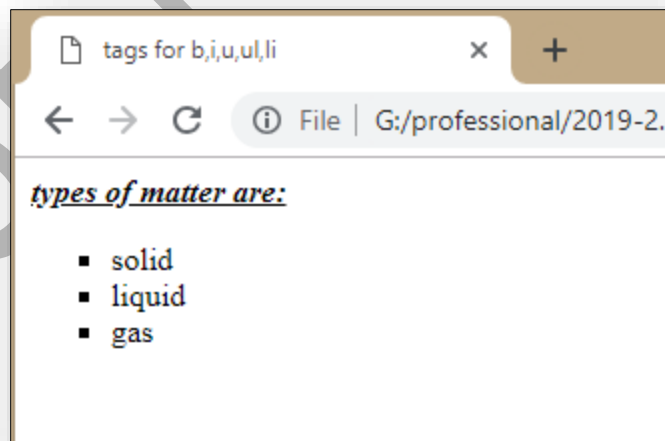


Fig. Output for Question 6

```

<html>
  <head>
    <title>tags for b,i,u,ul,li</title>
  </head>
  <body>
    <b>
      <i>
        <u>types of matter are:</u>
      </i>
    </b>
    <!--unordered list/ bulleted list -->
    <ul type="square"> <!--other values: disc, circle -->
      <li>solid</li>
      <li>liquid</li>
      <li>gas</li>
    </ul>
  </body>
</html>

```

6. Write an HTML program (ordered list, ol tag & attributes) for the following image output:

```

<html>
  <head>
    <title>tag for ol,li</title>
  </head>
  <body>
    <b>
      <i>
        <u>types of matter are:</u>
      </i>
    </b>
    <!--ordered list/ numbered list -->
    <ol type="A">
      <li>solid</li>
      <li>liquid</li>
      <li>gas</li>
    </ol>
    <ol start="97" > <!-- start attribute works only on decimal list-->
      <li>solid</li>
      <li>liquid</li>
      <li>gas</li>
    </ol>
  </body>

```

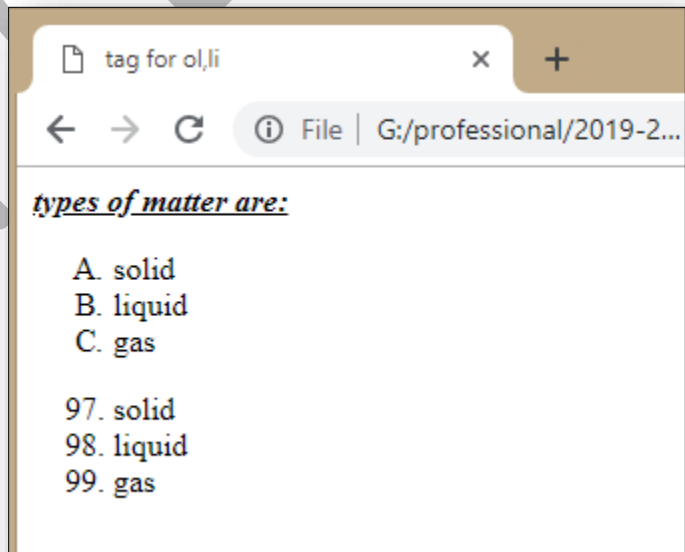


Fig. Output for Question 7

7. Write an HTML program (description/definition list; dl tag & attributes) for the following image output:

```
<html>
  <head>
    <title>tags for dl,dt,dd</title>
  </head>
  <body>
    <!-- description/ definition list-->
    <dl>
      <dt>UNIT I: PLANT LIFE </dt>
      <dd>Ch 1: Photosynthesis</dd>
      <dd>Ch 2: Respiration</dd>
    </dl>
    <dl>
      <dt>UNIT II: ANIMAL LIFE </dt>
      <dd>Ch 1: Digestion</dd>
      <dd>Ch 2: Kingdoms</dd>
    </dl>
  </body>
</html>
```

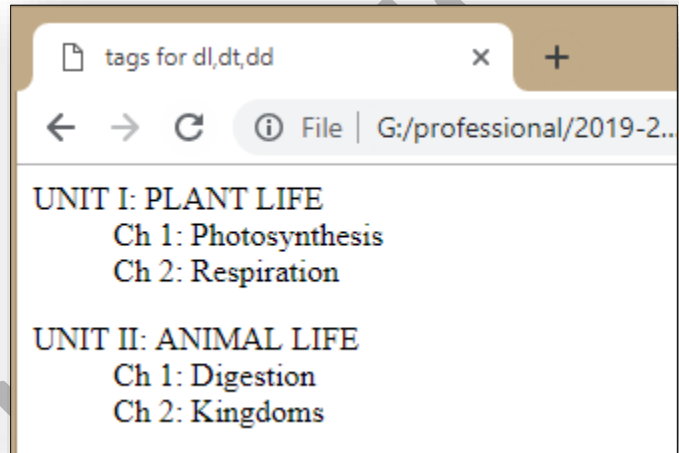


Fig. Output for Question 8

8. Write an HTML program (nested list) for the following image output:

```
<html>
  <head>
    <title>nested list</title>
  </head>
  <body>
    below is a nested list:
    <ol>
      <li>examples of solid are</li>
      <ol type="a">
        <li>rock</li>
        <li>paper</li>
      </ol>
      <li>examples of liquid are</li>
      <ol type="a">
        <li>oil</li>
        <li>water</li>
      </ol>
      <li>examples of gas are</li>
      <ol type="a">
```

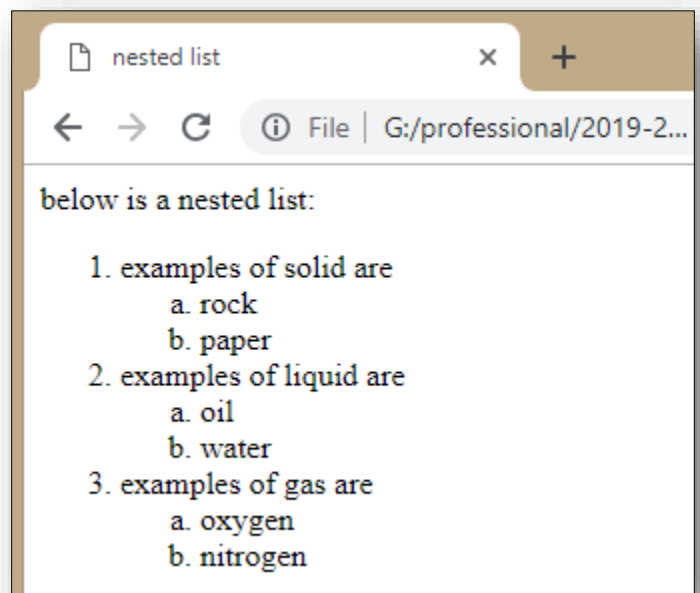


Fig. Output for Question 9

```

</li>oxygen</li>
</li>nitrogen</li>
</ol>
</ol>
</body>
</html>

```

9. Write an HTML program (font tag & attributes) for the following image output:

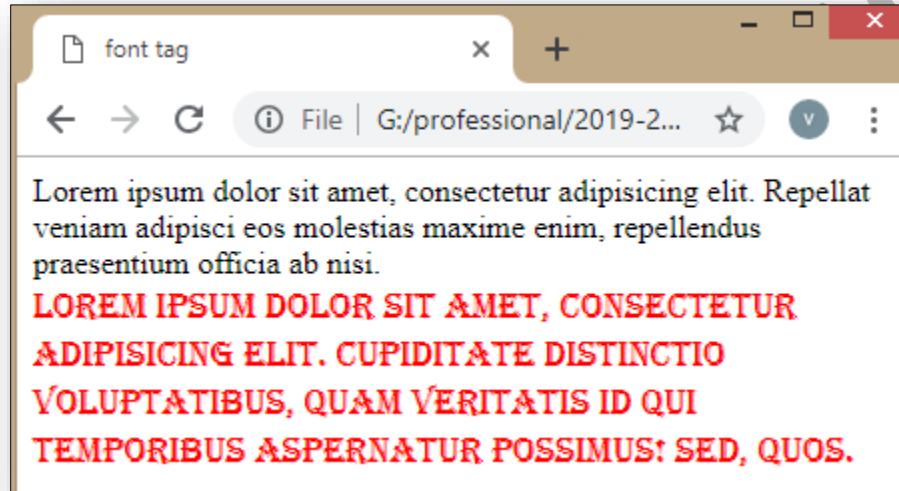


Fig. Output for Question 10

```

<html>
<head>
<title>font tag</title>
</head>
<body>
  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Repellat veniam adipisci eos molestias maxime
  enim, repellendus praesentium officia ab nisi.
  <br>
  <font face="algerian" size="4" color="red"> <!--size:1-7-->
  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cupiditate distinctio voluptatibus, quam
  veritatis id qui temporibus aspernatur possimus! Sed, quos.
  </font>
</body>
</html>

```

10. Write an HTML program (superscript & subscript; sup & sub tags) for the following image output:

```

<html>
<head>
<title>tags for sup sub</title>
</head>
<body>

```

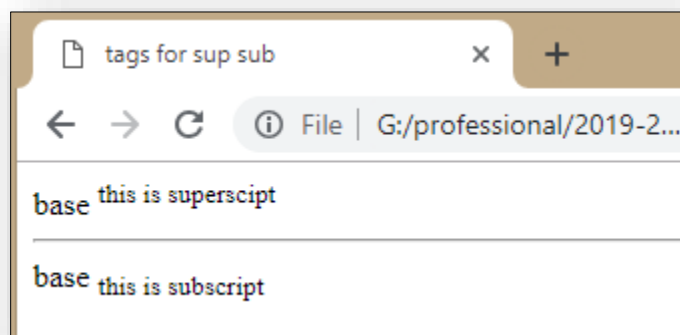


Fig. Output for Question 11

```
base <sup>this is superscript</sup>
<br> <hr>
base <sub>this is subscript</sub>
</body>
</html>
```

11. Write an HTML program (image tag, audio tag & video tag) for the following image output:

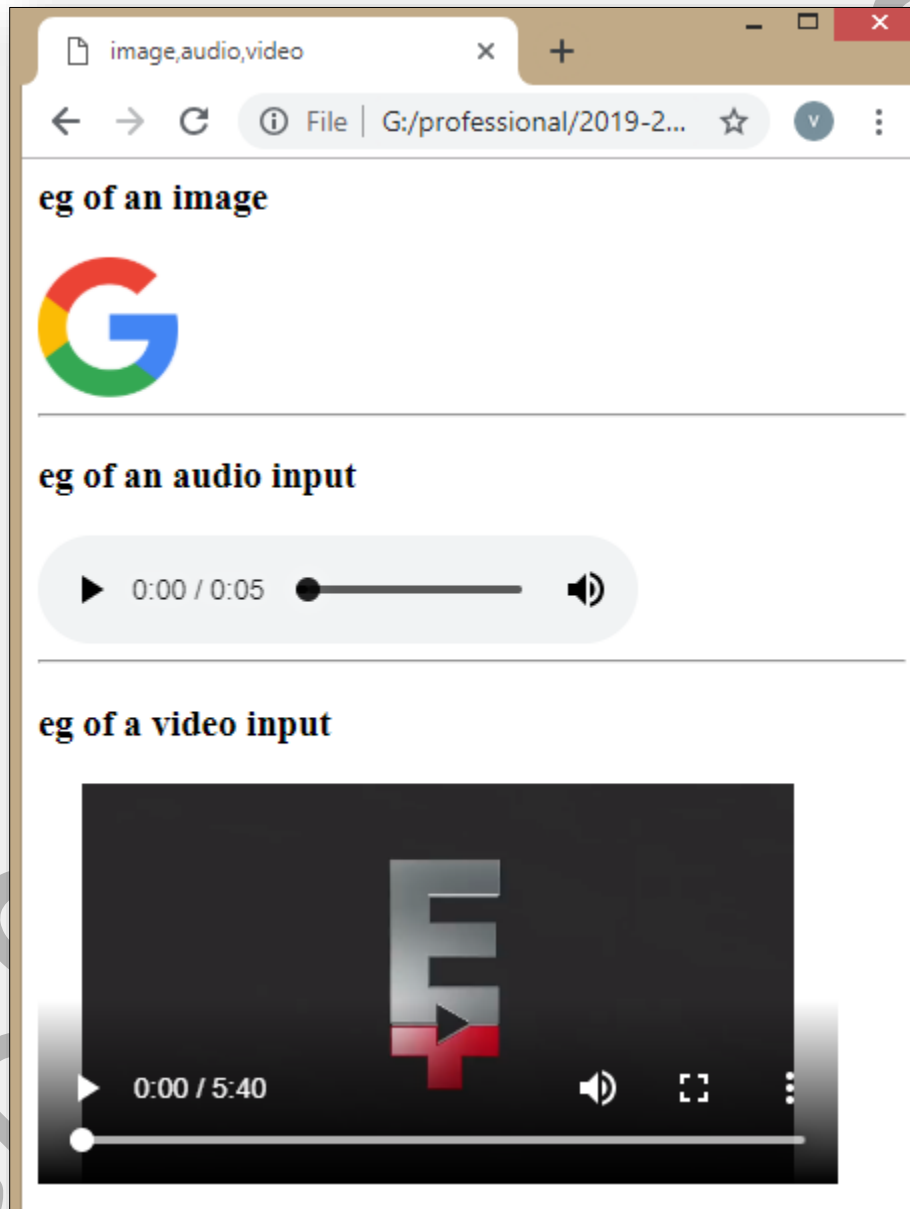


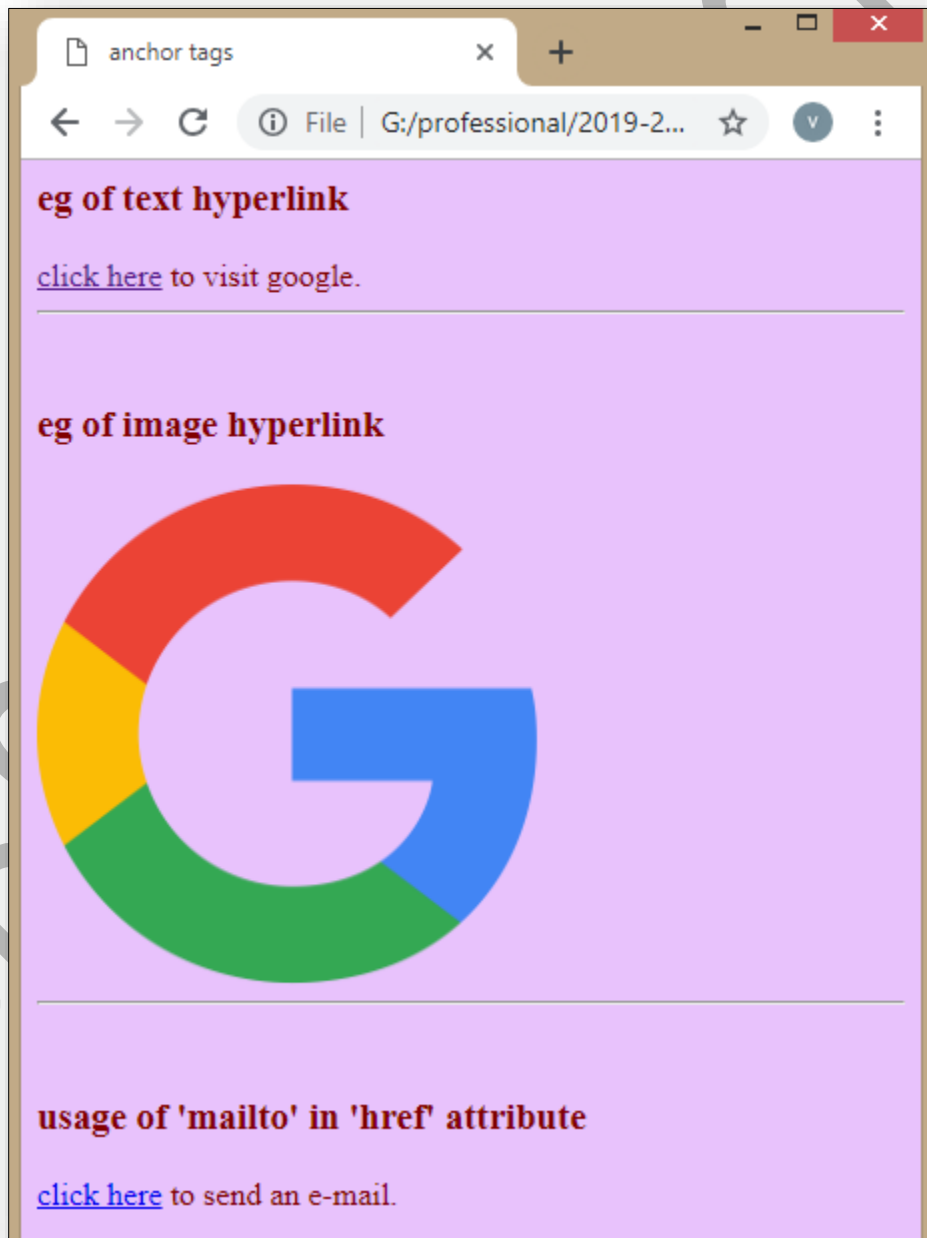
Fig. Output for Question 12

```
<html>
<head>
  <title>image,audio,video</title>
</head>
<body>
```

```
<h3>eg of an image</h3>

<hr>
<h3>eg of an audio input</h3>
<audio controls src="audio.mp3"></audio>
<hr>
<h3>eg of a video input</h3>
<video controls src="video.mp4" height="200" width="400"></video>
</body>
</html>
```

12. Write an HTML program (anchor tag; a tag with attributes; 'mailto:') for the following image output:





```

<html>
  <head>
    <title>anchor tags</title>
  </head>

  <body text="maroon" bgcolor="#e8c2fc">

    <h3>eg of text hyperlink</h3>
    <a href="https://www.google.com" target="_blank">click here</a> to visit google.
    <hr> <br>

    <h3>eg of image hyperlink</h3>
    <a href="https://www.google.com"></a>
    <hr> <br>

    <h3>usage of 'mailto' in 'href' attribute</h3>
    <a href="mailto:repytosheikh@gmail.com" target="_blank">click here</a> to send an e-mail.
  </body>
</html>

```

13. Draw an output (form tag with combo box, textbox, password, radio buttons, checkbox, list & button) for the HTML program below:

```

<html>
  <head>
    <title>form tag </title>
  </head>
  <body text="navy" align="center"> <!--align attribute-->
    <img src =aps.jpg width=70 height=70>
    <h2> AZAMGARH PUBLIC SCHOOL </h2> <hr>
    <!-- combo box aka form-->
    <form>
      Email/Phone <br>
      <!--textbox -->
      <input type="textbox" > <br>
      <!--password -->
      Password <br>
      <input type=" password" > <br>
      Account Type:
      <!--radio button -->
      <input type="radio" name="account" value="Admin" /> Admin
      <input type="radio" name="account" value="Guest" /> Guest <br><br>
      Session:
      <!--droplist-->

```

```

<select name= "Session">
  <option value="2021-22"> 2021-22 </option>
  <option value="2020-21"> 2020-21 </option>
  <option value="2019-20"> 2019-20 </option>
  <option value="2018-19"> 2018-19 </option>
</select> <br><br>
<!--checkbox -->
<input type= "checkbox" name=" Remember me" value=" Remember" /> Remember
me
<br><br>
<!--buttons-->
<input type=" button" name="log in" value="Log In" />
<input type=" button" name="sign up" value="Create Account" /> <br>
</form>
</body>
</html>

```

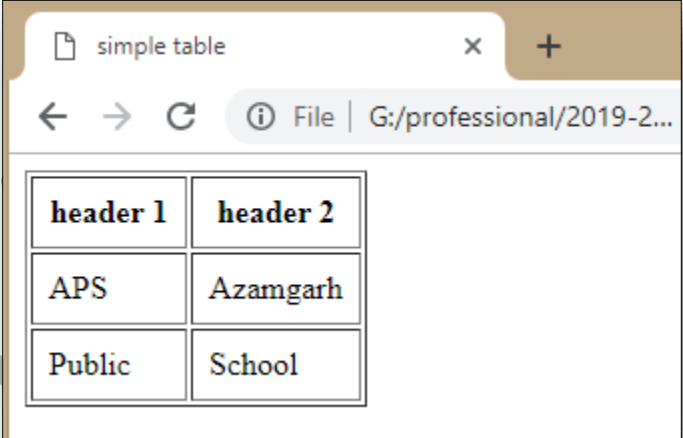
The screenshot shows a web browser window with the following content:

- Browser title: form tag
- Address bar: G:/professional/2019-2...
- Logo: Azamgarh Public School
- Section Header: **AZAMGARH PUBLIC SCHOOL**
- Form Fields:
  - Email/Phone:
  - Password:
  - Account Type:  Admin  Guest
  - Session: 2021-22 (dropdown menu)
  - Remember me:
- Buttons: Log In, Create Account

Fig. Output for Question 13

14. Write an HTML program (table tag with attributes) for the following image output:

```
<html>
  <head>
    <title>simple table</title>
  </head>
  <body>
    <!--table -->
    <table border="1" cellpadding="8" cellspacing="2">
      <tr> <!--header row-->
        <th>header 1</th> <!--column header -->
        <th>header 2</th> <!--column header -->
      </tr>
      <tr> <!--first data row -->
        <td>APS</td> <!--table data -->
        <td>Azamgarh</td>
      </tr>
      <tr> <!--second data row -->
        <td>Public</td>
        <td>School</td>
      </tr>
    </table>
  </body>
</html>
```



header 1	header 2
APS	Azamgarh
Public	School

Fig. Output for Question 14

15. Write an HTML program (colspan attribute) for the following image output:

```
<html>
  <head>
    <title>table with colspan</title>
  </head>
  <body>
    <table border="1" cellpadding="8" cellspacing="2">
      <!--first row -->
      <tr>
        <th colspan="2">Today's match between</th>
      </tr>
      <!--second row -->
      <tr>
        <td>Australia</td>
        <td>England</td>
      </tr>
      <!--third row -->
      <tr>
```



Today's match between	
Australia	England
Tommorrow's match between	
India	Pakistan

```

    <th colspan="2">Tommorrow's match between</th>
  </tr>
  <!--fourth row -->
  <tr>
    <td>India</td>
    <td>Pakistan</td>
  </tr>
</table>
</body>
</html>

```

Fig. Output for Question 15

16. Write an HTML program (rowspan attribute) for the following image output:

```

<html>
  <head>
    <title>table with rowspan</title>
  </head>
  <body>
    <table border="1" cellpadding="8" cellspacing="2">
      <!--first row -->
      <tr>
        <th rowspan="2">Bus Route: 1</th> <!--col 1-->
        <td>Girls: 24</td> <!--col 2 -->
      </tr>
      <!--second row -->
      <tr>
        <td>Boys: 14</td> <!--col 2 -->
      </tr>
      <!--third row -->
      <tr>
        <th rowspan="2">Bus Route: 2</th> <!--col 1-->
        <td>Girls: 46</td> <!--col 2 -->
      </tr>
      <!--fourth row -->
      <tr>
        <td>Boys: Nil</td> <!--col 2-->
      </tr>
    </table>
  </body>
</html>

```

<b>Bus Route: 1</b>	Girls: 24
	Boys: 14
<b>Bus Route: 2</b>	Girls: 46
	Boys: Nil

Fig. Output for Question 16

17. Draw an output for the HTML program (both colspan & rowspan attributes) below:

```

<html>
  <head>
    <title>table rowspan,colspan</title>

```

```

</head>
<body>
  <table border="1" cellpadding="8" cellspacing="2" align="center">
    <!--row 1-->
    <tr>
      <th colspan="3">types of programming language</th>
    </tr>
    <!--row 2-->
    <tr>
      <td rowspan="2">1</td>
      <td rowspan="2" align="center">programming language</td>
      <td>C</td>
    </tr>
    <!--row 3-->
    <tr>
      <td>C++</td>
    </tr>
    <!--row 4-->
    <tr>
      <td rowspan="2">2</td>
      <td rowspan="2" align="center">markup language</td>
      <td>HTML</td>
    </tr>
    <!--row 5-->
    <tr>
      <td>XML</td> </tr>
    <!--row 6-->
    <tr>
      <td rowspan="2">3</td>
      <td rowspan="2" align="center">scripting language</td>
      <td>javascript</td>
    </tr>
    <!--row 7-->
    <tr>
      <td>perl</td> </tr>
  </table>
</body>
</html>

```

Fig. Answer for Question 17

types of programming language		
1	programming language	C
		C++
2	markup language	HTML
		XML
3	scripting language	javascript
		perl

18. Write an HTML program (iframe tag & attributes) for the following image output:

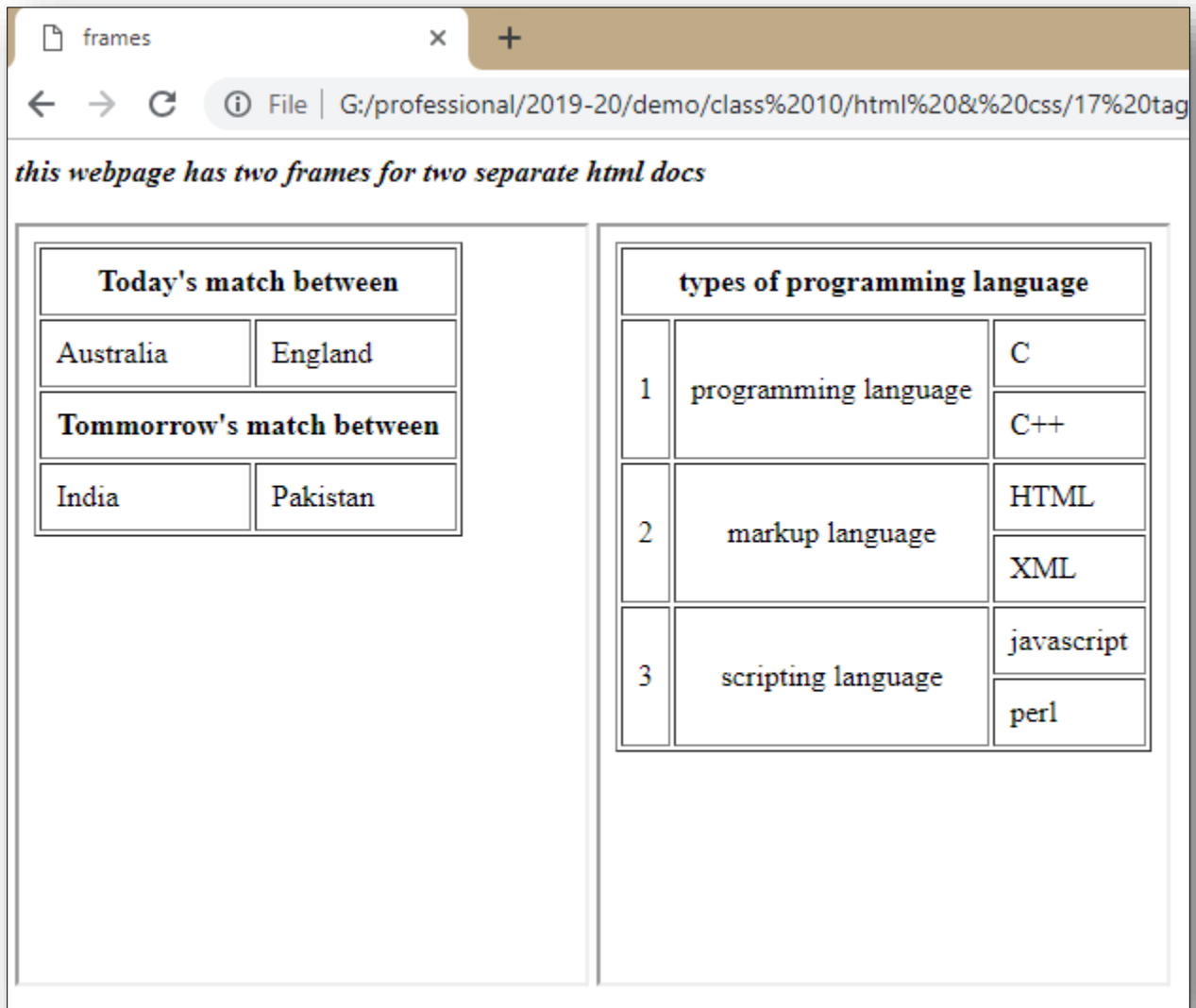


Fig. Output for Question 18

```
<html>
<head>
  <title>frames</title>
</head>
<body>
  <b>
    <i>this webpage has two frames for two separate html docs</i>
  </b>
  <br><br>

  <!--frame1-->
```

```
<iframe src="14%20table%20tags%20part%202%20(colspan).html" height="400" width="300"
frameborder="2"></iframe>
```

```
<!--frame2-->
<iframe src="16%20table%20tags%20part%204%20(colspan%20&%20rowspan).html" height="400"
width="300" frameborder="2"></iframe>
</body>
</html>
```

19. Write an HTML program with inline, internal & external CSS stylesheet for the following image output:

HTML program:

```
<html>
<head>
<title>amazing css (basics)</title>

<!-- internal style sheet method-->
<style>
#block2{
background-color: blue;
color: white;
}
</style>

<!--external style sheet method-->
<link rel="stylesheet" href="style.css" type="text/css">
</head>
<body>
<!--block for inline style sheet method-->
<div id="block1" style="background-color: red; color: white">
<h3>block1 h3</h3>
</div>

<!--block for internal style sheet method-->
<div id="block2">
<h2>block2 h2</h2>
</div>

<!--block for external style sheet method-->
<div id="block3">
<h1>block3 h1</h1>
</div>
</body>
</html>
```

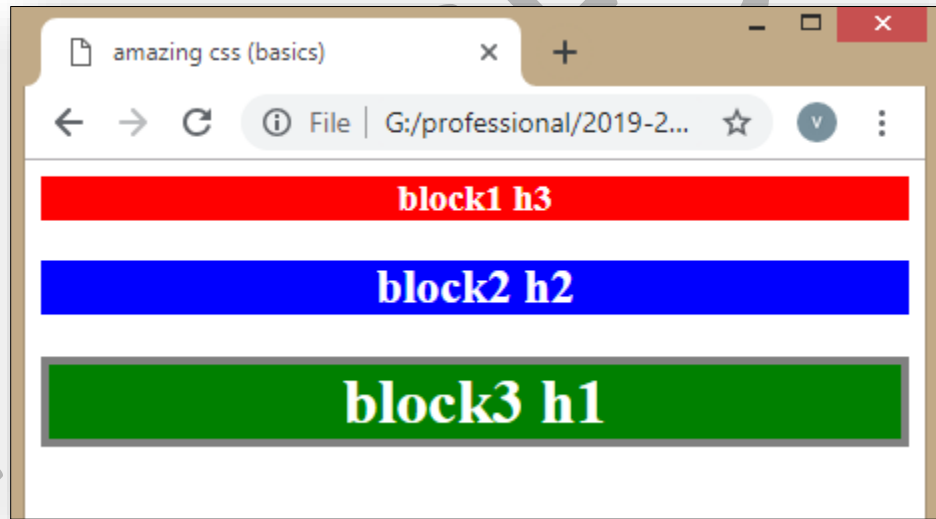


Fig. Output for Question 19

CSS style sheet (external):

```
/* use '#' for <div id>*/
#block3{
    background-color: green;
    color: white;
}

/* don't use '#' for tags*/
h1{
    border: 4px grey solid;
}

/* to apply same property to multiple tags*/
h1, h2, h3{
    text-align: center;
}
```

---

20. Draw an output for the HTML program with CSS stylesheet written below:

HTML program:

```
<html>
  <head>
    <title>amazing css (project)</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <!-- -->
    <div id="container">
      <div id="header">
        <h1>my blogpage</h1>
      </div>

      <div id="content">
        <div id="borders">
          <h3 align="center">borders</h3> <!--align attribute-->
          <ul>
            <li>header: red </li>
            <li>container: blue</li>
            <li>notice: green </li>
            <li>main: pink </li>
            <li>footer-border: white </li>
            <li>footer-outline: black</li>
          </ul>
        </div>
      </div>
    </div>
  </body>
</html>
```



```
</ul>
```

```
</div>
```

```
<div id="main">
```

```
<h2 align="center">main content area</h2>
```

```
<hr width=70%>
```

```
<b><i>check other html docs using links below:</i></b>
```

```
<br>
```

```
<ul>
```

```
<li>
```

```
<a href=" ../10%20tags%20for%20image,%20audio,%20video.html" target="_blank">image,  
audio input & video input</a>
```

```
</li>
```

```
<li>
```

```
<a href=" ../12%20form%20tag%20with%20textbox,%20radio%20buttons,%20checkbox,%20password,%20list,%20  
0combobox.html" target="_blank">log in form</a>
```

```
</li>
```

```
<li>
```

```
<a href=" ../16%20table%20tags%20part%204%20(colspan%20&%20rowspan).html" target="_blank">table with colspan & rowspan</a>
```

```
</li>
```

```
<li>
```

```
<a href=" ../06%20tags%20for%20dl%20list,%20dt,%20dd.html" target="_blank">description/  
definition list</a>
```

```
</li>
```

```
</ul>
```

```
<p>Lorem 40 ipsum dolor sit amet, consectetur adipisicing elit. Mollitia alias, nemo quis, tempore  
commodi, modi accusamus corrupti facilis, eum harum vitae est facere architecto. Similique! Lorem ipsum  
dolor sit amet, consectetur adipisicing elit. Esse soluta, quaerat architecto illo, perferendis veniam ducimus,  
placeat aut fugit, eius nihil tempore. Nesciunt ab consequatur voluptatibus eos, amet molestias harum  
reprehenderit nemo sed, cum molestiae repellat reiciendis, natus neque minus!</p>
```

```
<p>Lorem 40 ipsum dolor sit amet, consectetur adipisicing elit. Mollitia alias, nemo quis, tempore  
commodi, modi accusamus corrupti facilis, eum harum vitae est facere architecto. Similique! Lorem ipsum  
dolor sit amet, consectetur adipisicing elit. Perspiciatis quasi officiis dolore alias aspernatur est aliquid, rem  
saepe minima odio modi doloremque possimus. Sed aspernatur eius maxime nemo illum, provident  
perspiciatis repellat! Illum eaque, nobis rerum itaque, neque consectetur fugit.</p>
```

```
<p>Lorem 60 ipsum dolor sit amet, consectetur adipisicing elit. Mollitia alias, nemo quis, tempore  
commodi, modi accusamus corrupti facilis, eum harum vitae est facere architecto. Similique! Lorem ipsum  
dolor sit amet, consectetur adipisicing elit. Asperiores eius dolorum quo. Atque sequi odio inventore quos  
deleniti optio, asperiores quae velit. Architecto ipsam obcaecati magni, quibusdam tempore delectus, officia
```

doloribus, facere iusto alias iste rerum nulla consequuntur repudiandae temporibus. Lorem ipsum dolor sit

am</p>

</div>

</div>

<div id="footer">

copyright &copy; 2022 TERMINATOR

</div>

</div>

</body>

</html>

---

### CSS style sheet:

**/\*CSS RULES TO DESIGN TAGS & DIVS\*/**

**body{**

background-color: #e6e6e6; **/\*property: value\*/**

font-family: calibri, arial, sans-serif;

**}**

**/\*only div is written with '#' symbol\*/**

**#header{**

border: 2px red solid;

background-color: #66ccff;

color: white;

text-align: center;

padding: 10px;

**}**

**#container{**

border: 2px blue solid;

background-color: white;

width: 810px;

margin: 0 auto 0 auto;

**}**

**#content{**

padding: 10px; **/\*applies to all 4 directions\*/**

**}**

**#borders{**

border: 2px green solid;

width: 180px;

float: left;

**}**

**#main{**

border: 2px pink solid;

width: 595px;

```

float: right;
padding-left: 5px;
}
#footer{
border: 2px white solid;
border-style:dashed; /*other values: dotted, double etc.*/
outline: 2px black solid;
clear:both;
background-color: #999999;
color: white;
text-align: center;
padding: 10px;
}
h1,h2,h3{
margin: 0;
}

```



Scan this QR code to follow on YouTube

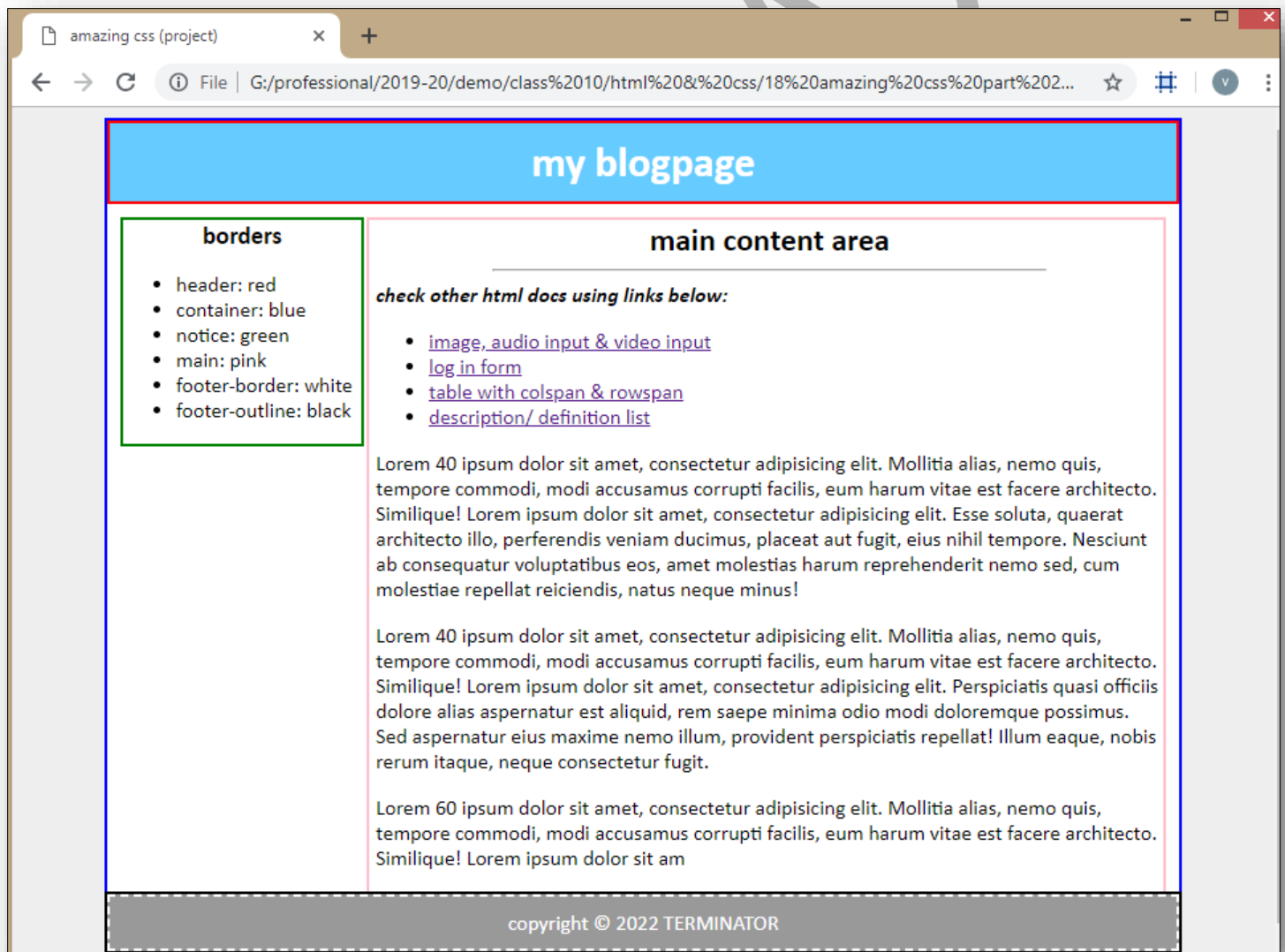


Fig. Output for Question 20